ITAM GIS OVERVIEW

INTEGRATED TRAINING AREA MANAGEMENT

ITAM GIS

Paul Dubois
US Army Environmental Center
Range and Munitions Division

GIS JEOPARDY - 2001

GIS JEOPARDY RULES

- **ALL ANSWERS MUST BE IN THE FORM OF A QUESTION.**

- **"BUZZING-IN" WILL BE DONE BY PROVIDED BUZZERS *(PLEASE CHECK NOW)***

- **ANSWERING CONTESTANT HAS APPROX 3 SECONDS, SUBJECT TO THE JUDGE.**

- **THE JUDGE IS THE FINAL AUTHORITY ON ALL MATTERS AND HAS THE POWER TO ADD OR REMOVE POINTS AT WILL.**

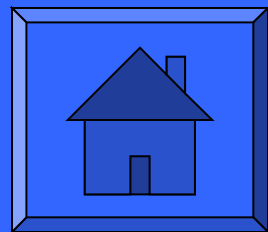
GIS Standards & Policy	Software	Who's Job Is It?	Who's Your Data?	Potpourri
100	100	100	100	100
200	200	200	200	200
300	300	300	300	300
400	400	400	400	400
500	500	500	500	500

GIS STANDARDS
100

A: **Known as the FGDC, this group establishes policies, standards, and guidelines that allow agencies to cooperatively produce and share geospatial data.**

GIS STANDARDS
100

Q: **What is the Federal Geographic Data Committee?**

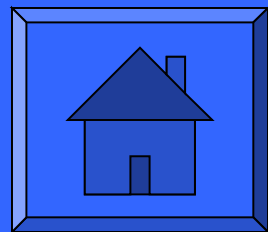


GIS STANDARDS
200

A: **This Executive Order, whose number lies *between* 12905 and 12907, requires all Federal Agencies to share spatial data through the National Spatial Data Infrastructure.**

GIS STANDARDS
200

Q: **What is Executive Order 12906?**

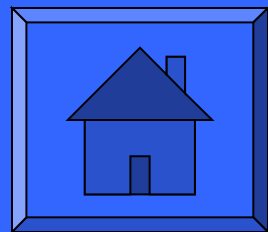


GIS STANDARDS
300

A: **This *Committee*, dedicated to *Army Range Sustainment Integration*, has staffed an Army GIS Policy requiring all installation GIS offices to use common data formats, share data, and integrate efforts into Enterprise systems.**

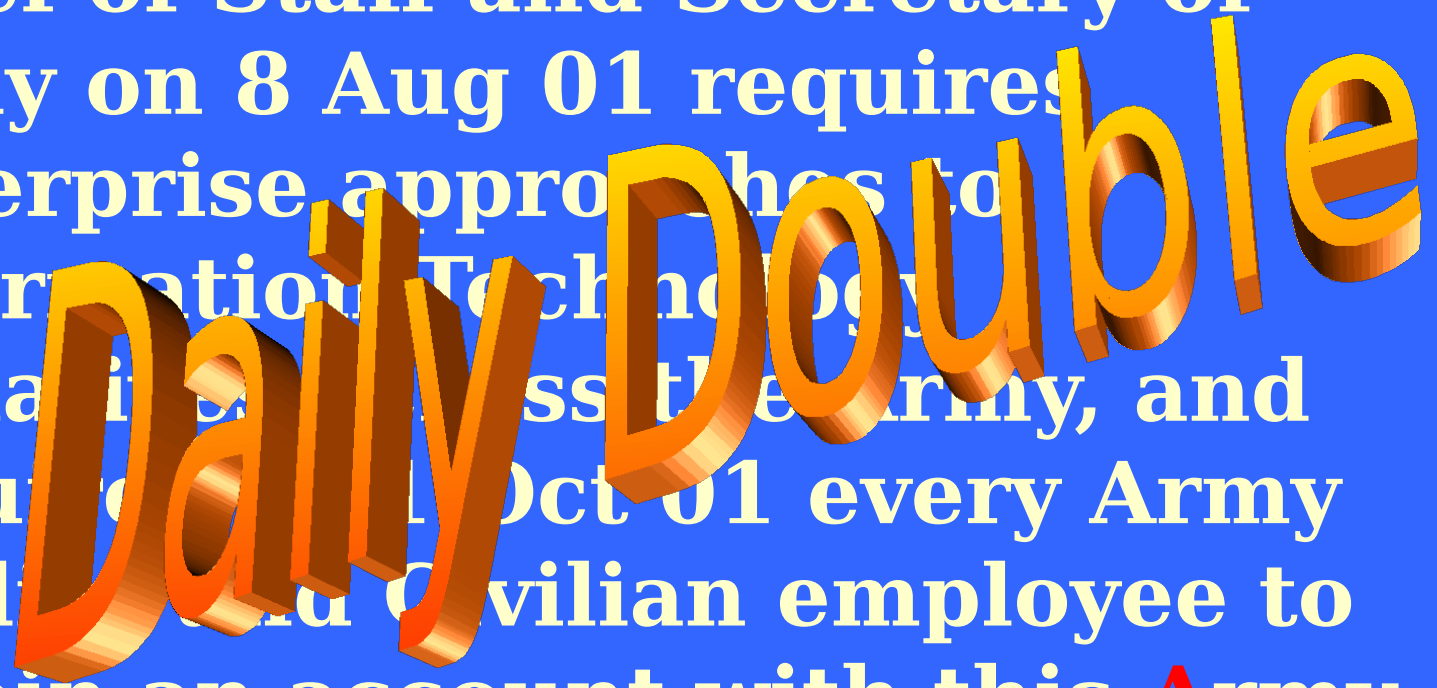
GIS STANDARDS
300

Q: **What is the Army Range Sustainment Integration Committee (ARSIC)?**



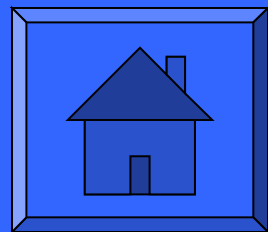
GIS STANDARDS
400

A: **A memo signed by the Army Chief of Staff and Secretary of Army on 8 Aug 01 requires Enterprise approaches to Information Technology initiatives across the Army, and requires by 1 Oct 01 every Army Soldier and Civilian employee to obtain an account with this Army Knowledge Online website.**



GIS STANDARDS
400

Q: **What is the Army Knowledge Online (AKO) website?**

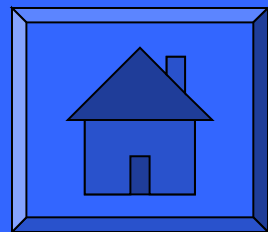


GIS STANDARDS
500

A: **A geodatabase generator has been developed and is now available to assist installations in building relational databases with standardized tables, domains, and symbology conforming to this Spatial Data Standard for Facilities, Infrastructure and Environment**

GIS STANDARDS
500

Q: **What is the Spatial Data Standard for Facilities, Infrastructure and Environment (SDS-FIE, or the Standard Formerly Knows as the TSSDS and the SDS)?**

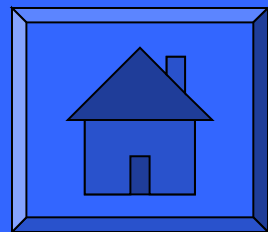


Software
100

A: **This free ESRI data viewer, when coupled with ITAM GIS data on CD or LAN, can provide basic spatial data viewing and GIS capabilities to any office on the installation.**

Software
100

Q: **What is ArcExplorer?**

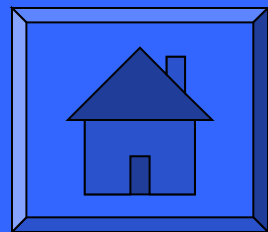


Software
200

A: **Most GIS software will export maps and other graphics in file formats that can be added to this Microsoft software and combined with other graphics, text, and effects to create very powerful and effective slide shows and presentations**

Software
200

Q: **What is MS PowerPoint?**

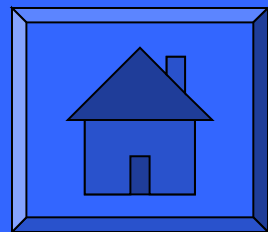


Software
300

A: **The industry standard for spatial data storage has moved from stand alone flat-files to this format that allows building relationships with other data sets.**

Software
300

Q: **What is a relational database management system (RDBMS)?**

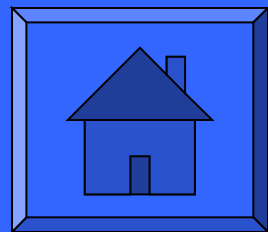


Software
400

A: **MapGuide and ArcIMS are two examples of this kind of software that ITAM can publish spatial data and provide basic GIS functions to installation and Army offices via LAN and the Web.**

Software
400

Q: **What are Internet Mapping applications?**

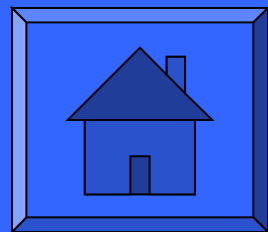


Software
500

A: **Corpsmet 95, ArcCatalog, and SMMS are examples of software that allow installations to develop, manage and publish this kind of data.**

Software
500

Q: **What is metadata?**

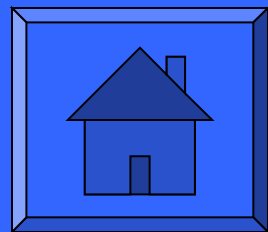


Who's job is it?
100

A: **It is this persons responsibility to comply with EO12906 requirements to document and share spatial data.**

Who's Job Is It?
100

Q: **Who am I (or we/us)?**

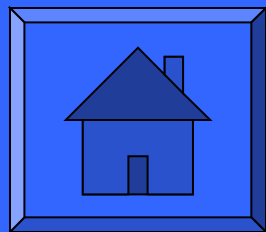


Who's Job Is it?
200

A: **It is this persons responsibility to make ITAM GIS accessible to other installation offices by sharing data, providing IMS services and other GIS applications.**

Who's Job Is It?
200

Q: **Who am I (or we/us)?**

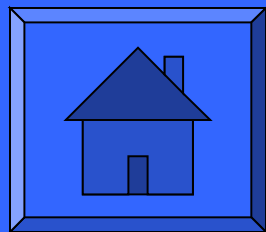


Who's Job Is it?
300

A: **It is this persons responsibility to submit papers, posters, or demonstrations at professional conferences including ITAM GIS Day.**

Who's Job Is It?
300

Q: **Who am I (or we/us)?**

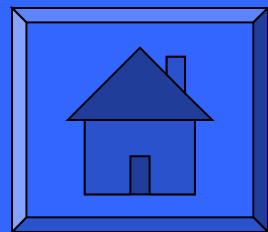


Who's Job Is it?
400

A: **It is this persons responsibility to subscribe to the ITAM-managed MILGIS ListServer to share ideas and solutions.**

Who's Job Is It?
400

Q: **Who am I (or we/us)?**

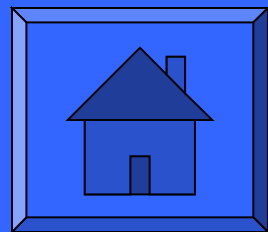


Who's Job Is it?
500

A: **HQ Army government beurocrats.**

Who's Job Is It?
500

Q: **Whos job is ~~it to lead the ITAM GIS community down the path~~ of coolness make installation personnel's jobs more complicated?**



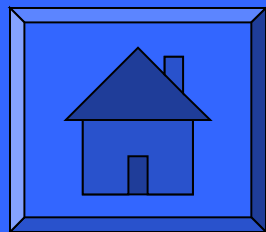
Who's Your Data?
100

+ GIS =

www.STinSV.com

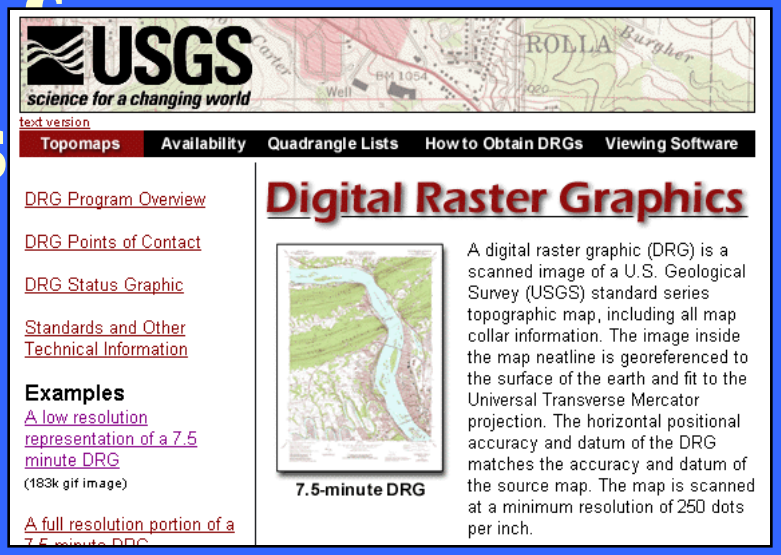
Who's Your Data?
100

Q: **What is Enterprise GIS?**



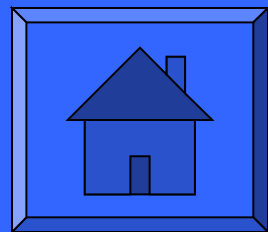
Who's Your Data?
200

A: **This Federal Agency should be checked for available DOQ's and other photos and images before contracting for acquisitions**


USGS
science for a changing world
text version
Topomaps
Availability
Quadrangle Lists
How to Obtain DRGs
Viewing Software
DRG Program Overview
DRG Points of Contact
DRG Status Graphic
Standards and Other Technical Information
Examples
A low resolution representation of a 7.5 minute DRG
(183k gif image)
A full resolution portion of a
Digital Raster Graphics
7.5-minute DRG
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey (USGS) standard series topographic map, including all map collar information. The image inside the map neatline is georeferenced to the surface of the earth and fit to the Universal Transverse Mercator projection. The horizontal positional accuracy and datum of the DRG matches the accuracy and datum of the source map. The map is scanned at a minimum resolution of 250 dots per inch.

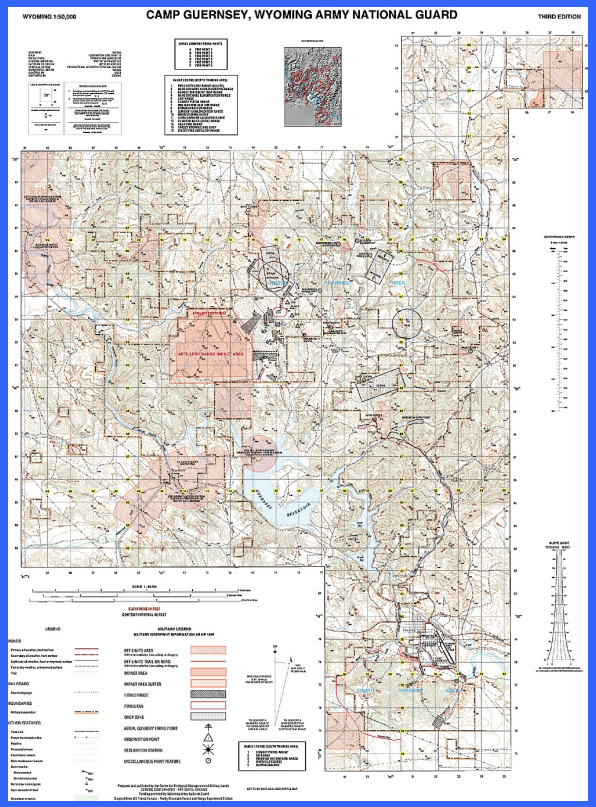
Who's Your Data?
200

Q: **What is the U.S. Geological Survey (USGS)?**



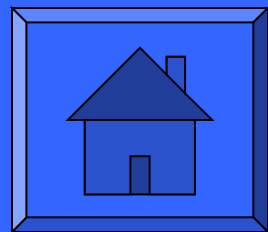
Who's Your Data?
300

A: **NAD83/WGS84, UTM, and 1:24,000 or 1:50,000 scale are appropriate parameters needed to create this kind of *special installation* map.**



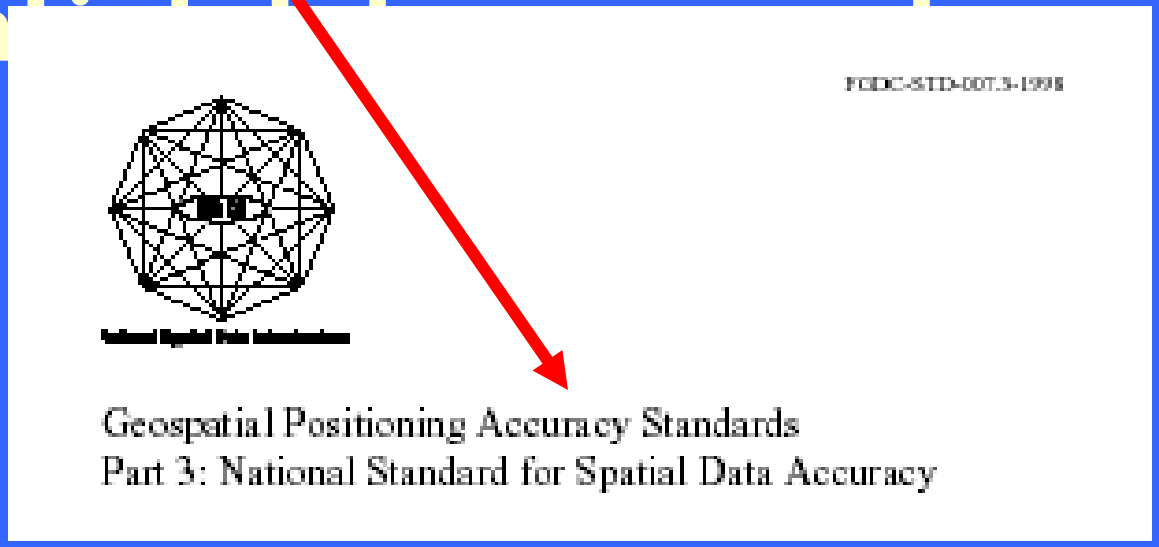
Who's Your Data?
300

Q: **What is an installation special?**



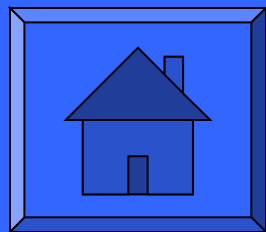
Who's Your Data?
400

A: **The standard shown here can be downloaded from the FGDC homepage, and should be followed for this critical spa**



Who's Your Data?
400

Q: **What is spatial accuracy?**

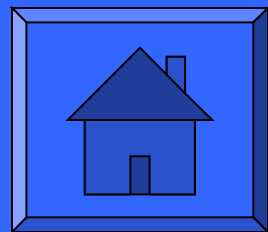


Who's Your Data?
500

A: **All imagery acquisitions should be coordinated through this *N*ational *I*magery and *M*apping *A*gency for government licensing purposes and advantageous pricing.**

Who's Your Data?
500

Q: **What is National Imagery and Mapping Agency (NIMA)?**

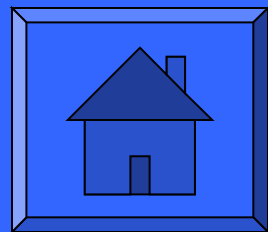


Potpourri
100

A: **These 2 Regional Centers provide support for GIS including Mr. Sid compressions, Installation Special maps, IMS, FGDC and other standards, training, and SOW development to all ITAM GIS offices.**

Potpourri
100

Q: **What are the ITAM GIS Regional Support Centers (RSC's)?**

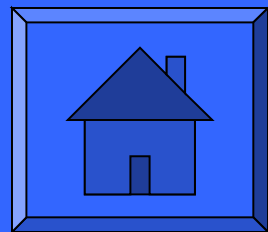


Potpourri
200

A: **Answer:**

Potpourri
200

Q: **Who is Homer Simpson?**



Potpourri
300

A: **This *User Working Group* runs the annual *ITAM GIS* Day, determines RSC tasks, MAGIC functionalities, and are your GIS representatives to the ITAM program:**

Rob Barber-Delach **Billy Karnes**

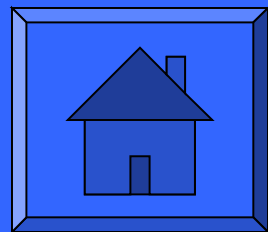
Kelly Pew **David Lashlee**

Malinda Powell **Malcolm Ponte**

Shelly Danzer **Mike Liota**

Potpourri
300

Q: **Who is the ITAM GIS User Working Group?**

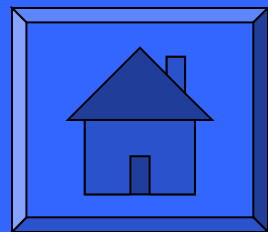


Potpourri
400

A: **This web site offers information, resources, and chat form for the *ITAM GIS* community.**

Potpourri
400

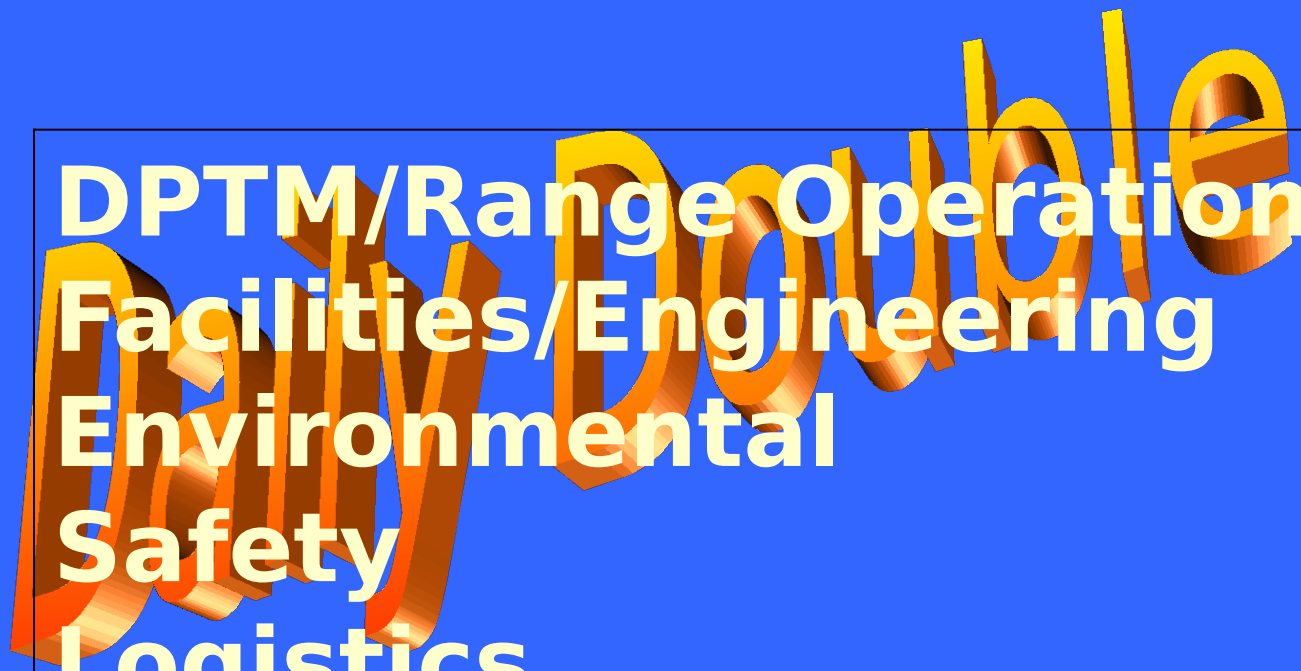
Q: **What is the ITAM GIS website?**



Potpourri
500

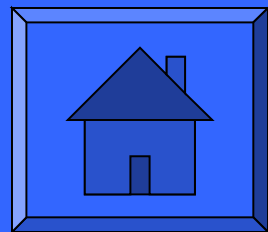
A:

DPTM/Range Operations
Facilities/Engineering
Environmental
Safety
Logistics
Subordinate Commands/Uni



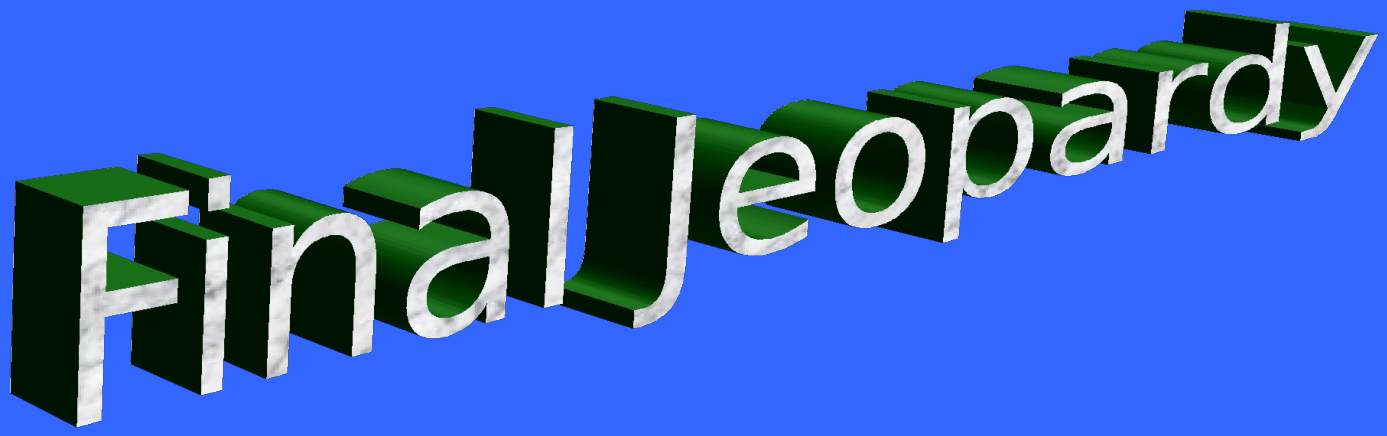
Potpourri
500

Q: **What installation offices should ITAM share GIS data/cooperate with?**



Final Jeopardy

A: **Savannah, Georgia.**



Q: **What is the site of the 2002 ITAM Workshop, and the 4th Annual ITAM GIS Day?**

GIS Jeopardy - Take Home

- **Standards/Policy: Document and share data**
- **Software: Get the data/info out!**
- **Who's Job: It's your job**
- **Data: Many free/cheap sources; quality**
- **Potpourri: Use the existing ITAM support/sourc**